

A B S T R A C T

A SYSTEM FOR ASSISTING REGENERATION OF A STORAGE/RELEASE
NO_x TRAP FOR VEHICLE DIESEL ENGINES

5

This system for assisting regeneration of a storage/release NO_x trap integrated into an exhaust system (5) of a motor vehicle diesel engine (4) is characterized in that it includes means (11) for injecting fuel into the cylinders of the engine (4) in the form of pilot injections and main injections and means (12) for controlling the injection means (11) to switch the engine (4) periodically from a standard mode of operation using a lean mixture and pilot injection and main injection, in which NO_x are stored in the trap (6), to a regeneration mode of operation using a rich mixture, with at least two pilot or main injections depending on the engine load, in which NO_x are released from the trap (6) and the trap is regenerated.

20

25

30

Translation of the title and the abstract as they were when originally filed by the Applicant. No account has been taken of any changes that may have been made subsequently by the PCT Authorities acting ex officio, e.g. under PCT Rules 37.2, 38.2, and/or 48.3.

35